

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/013592

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04N7/26 H04N7/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 379 090 A (MICROSOFT CORP) 7 January 2004 (2004-01-07) page 2, paragraphs 7,9 page 6, paragraph 45 – paragraph 51 figures 2-6	1-32
A	M. W. MARCELLIN, M. A. LEPLEY, A. BILGIN, T. J. FLOHR, T. T. CHINEN, J. H. KASNER: "An Overview of Quantization in JPEG-2000" SIGNAL PROCESSING: IMAGE COMMUNICATIONS, SPECIAL ISSUE ON JPEG-2000, 'Online!', vol. 17, no. 1, December 2001 (2001-12), pages 73-84, XP002287860 Retrieved from the Internet: URL: <a href="http://www-spac1.ece.arizona.edu/">http://www-spac1.ece.arizona.edu/</a> > 'retrieved on 2004-07-08! paragraphs '0002!, '03.2! figures 1-3	1-32
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

8 February 2005

Date of mailing of the International search report

17/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Kuhn, P

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/013592

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	RABBANI M ET AL: "An overview of the JPEG 2000 still image compression standard" SIGNAL PROCESSING. IMAGE COMMUNICATION, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 17, no. 1, January 2002 (2002-01), pages 3-48, XP004326797 ISSN: 0923-5965 page 15, paragraph 2.3 - page 17 page 44, paragraph 6.4.2 figure 10	1-32
A	US 6 408 026 B1 (TAO BO) 18 June 2002 (2002-06-18) column 1, line 16 - column 4, line 30 column 9, line 27 - line 67 figures 1,2	1-32
A	OKTEM R, EGIAZARIAN K: "A wavelet transform method for coding film-grain noise corrupted images" INTERNATIONAL CONFERENCE ON ACOUSTINCS AND SIGNAL PROCESSING (ICASSP 2000), vol. 4, 5 June 2000 (2000-06-05), - 9 June 2000 (2000-06-09) pages 2063-2066, XP010504703 Turkey paragraph 3	8,9,18, 19
A	15 August 2003 (2003-08-15) abstract paragraph '0135! figures 9,10	
A	PATENT ABSTRACTS OF JAPAN vol. 016, no. 224 (E-1206), 25 May 1992 (1992-05-25) -& JP 04 040118 A (MATSUSHITA ELECTRIC IND CO LTD), 10 February 1992 (1992-02-10) abstract figures 2,3	1-32
A	AL-SHAYKH O K ET AL: "Lossy compression of images corrupted by film grain noise" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP) LAUSANNE, SEPT. 16 - 19, 1996, NEW YORK, IEEE, US, vol. 1, 16 September 1996 (1996-09-16), pages 805-808, XP010202188 ISBN: 0-7803-3259-8 abstract	8,9,18, 19

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/013592

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 1379090	A	07-01-2004	BR CN EP JP US	0301992 A 1487474 A 1379090 A2 2004254274 A 2004008899 A1		31-08-2004 07-04-2004 07-01-2004 09-09-2004 15-01-2004
US 6408026	B1	18-06-2002	AU WO	7054400 A 0111893 A1		05-03-2001 15-02-2001
JP 2003230142	A	15-08-2003	JP US	2003289542 A 2003147463 A1		10-10-2003 07-08-2003
JP 04040118	A	10-02-1992		NONE		

BEST AVAILABLE COPY